Agmt. No. 006063071

## AGREEMENT

Kansas and Oklahoma Railroad Company Project No. 87 X-2558-01 Crossing Signals and Gates Crossing Surface

STP-X255(801) Sedgwick County, Kansas

Agreement between the Kansas and Oklahoma Railroad Company, the City of Wichita, Sedgwick County, Kansas and the Secretary of Transportation of the State of Kansas, relative to the construction and maintenance of Highway Crossing Signals under Section 130. United States Code 23.

\* \* \* \* \* \* \* \* \* \* \* \* \*

This agreement, made and entered into this Railroad Company, a corporation, hereinafter referred to as the "Company", the City of Wichita, Sedgwick County, Kansas hereinafter referred to as the "City", and the Secretary of Transportation of the State of Kansas, hereinafter referred to as the "Secretary".

## WITNESSETH:

WHEREAS, the Secretary proposes to submit to the Federal Highway Administration of the United States Department of Transportation a project providing for the installation of railway-highway crossing signals, flashing light straight post type and gates at a grade crossing (DOT #445193G) on  $9^{\text{th}}$  Street in the City of Wichita, Sedgwick County, Kansas, said project to be known and designated as Project No. 87 X-2558-01; STP-X255(801) and more particularly described as follows:

at the intersection of 9th Street and the Company's tracks approximately 2500 feet north and 800 feet east of the Southwest Corner of Section 13, Township 27 South, Range 1 West, in the City of Wichita, Sedgwick County, Kansas,

and will recommend its approval for construction under Section 130, United States Code 23 and amendments thereto, and

WHEREAS, the locations for the warning devices were determined by a diagnostic team consisting of representatives of the Company, the City, and the Secretary, and

NOW, THEREFORE, in consideration of the premises and the mutual covenants herein contained, and subject to the approval of the Federal Highway Administration, it is hereby agreed by the parties hereto:

- 1. The total cost of the project will be funded one-hundred percent (100%) using Federal Section 130 Funds, (except as noted in paragraph number 6), including preliminary engineering, construction, sales tax, users tax and such other items as are properly chargeable to the project under Section 130, United States Code 23 and amendments thereto.
- 2. The City will install and maintain the advance warning signs.
- 3. The Company will provide the Secretary with a copy of the bill of materials and the detailed estimate of the cost of the project. The estimate to be attached to and become a part of this agreement.
- 4. After being notified by the Secretary that the project has been approved and that work may begin, the Company will notify the Secretary's District Engineer, Mr. Robert Cook, Hutchinson, Kansas, at least one week in advance of the date that work on the project is to be started, and should withdrawal from the project become necessary for any reason, the Company will each time notify the Secretary's District Engineer of the date that work on the project is to be resumed.
- 5. The Company, for the account of the Secretary, will purchase concrete crossing surface panels, cross-ties, and rail for the crossing.
- 6. The Company, at its own expense, agrees to remove the existing crossing surface, provide and place ballast, install crossties, rail and the new concrete crossing surface. The Company will also place temporary traffic control in accordance with the MUTCD.
- 7. The Company will remove the existing signals and install the new straight post signals and gates and make all connections necessary for their successful operation, and do all incidental and appurtenant work in accordance with the project and the "Manual on Uniform Traffic Control Devices". The Company will furnish all of the material and do all of the work with its own forces, or the work may be done by a contractor paid under a contract let by the Company in compliance with the provisions of 23 C. F. R., Chapter I, Subchapter B, Part 140, Subpart I. Said Title 23 Code of Federal Regulations (23 C. F. R.) is by reference made a part of this agreement. If this work is to be done by a contractor paid under a contract let by the Company, prior written approval shall be obtained from the Secretary. The estimated schedule by the Company for the completion of the work for this project is one year from the date of this agreement.
- 8. The Company will keep detailed and accurate records of all labor, materials, supplies, incidentals and all other necessary costs involved in carrying out the work performed by the Company under the terms of this agreement, and will give access to such records at any time during regular office hours to any authorized representative of the Secretary or of the Federal Highway Administration, for a period of three years from the date final payment has been received by the Company.

- 9. Preparation of preliminary estimates, procurements, performance of work, expenditures, billing and reimbursement shall all be done in accordance with 23 C. F. R., Chapter I, Subchapter B, Part 140, Subpart I.
- 10. The Company will submit to the Secretary's District Engineer, Mr. Robert Cook, Hutchinson, Kansas, a final and complete billing of the incurred costs within one year after the completion of the work, and the Secretary will pay an amount equal to the total cost of the project, with the understanding that the Company will reimburse the Secretary for one hundred percent (100%) of the amount of all items in the Company's bill which are declared by the Federal Highway Administration to be ineligible for participation in Federal Funds.
- 11. The Company shall have title to the signals and gates and at its own cost and expense will maintain the signals and gates and will make ample provision each year for such maintenance, provided, however, the Company shall be entitled to receive any contribution toward the cost of such maintenance as may be now, or hereafter made available by reason of any law, ordinance, regulation, order, grant or by other means or sources.
- 12. The parties hereto do hereby agree that the "Special Attachment No. 1" herewith, pertaining to the implementation of Title VI of the Civil Rights Act of 1964, is hereby made a part of this agreement.
- 13. The Company does agree that the "Special Attachment No. 2" herewith, pertaining to lobbying, is hereby made a part of this agreement.
- 14. It is further understood that this agreement and all contracts entered into under the provisions of this agreement shall be binding upon the City, Company and the Secretary and their successors and assigns.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed in triplicate by their proper offices on the day and year first herein written.

DEBRA L. MILLER SECRETARY OF TRANSPORTATION

BY:

G. DAVID COMSTOCK, P.E. DIRECTOR OF ENGINEERING AND DESIGN

KANSAS AND OKLAHOMA RAILROAD COMPANY

BY:

TITLE:

THE CITY OF WICHITA

ATTEST:

PRESIDENT OF GOVERNING BODY

mayor

APPROVED AS TO FORM:

CITY CLERK

- 4 -

## KANSAS DEPARTMENT OF TRANSPORTATION

Special Attachment
To Contracts or Agreements Entered Into
By the Secretary of Transportation of the State of Kansas

NOTE: Whenever this Special Attachment conflicts with provisions of the Document to which it is attached, this Special Attachment shall govern.

THE CIVIL RIGHTS ACT OF 1964, and any amendments thereto,
REHABILITATION ACT OF 1973, and any amendments thereto,
AMERICANS WITH DISABILITIES ACT OF 1990, and any amendments thereto,
AGE DISCRIMINATION ACT OF 1975, and any amendments thereto,
EXECUTIVE ORDER 12898, FEDERAL ACTIONS TO ADDRESS ENVIRONMENTAL JUSTICE IN
MINORITY POPULATIONS AND LOW INCOME POPULATIONS (1994), and any amendments thereto,
49 C.F.R. Part 26.1 (DBE Program), and any amendments thereto

## NOTIFICATION

The Secretary of Transportation for the State of Kansas, in accordance with the provisions of Title VI and Title VII of the Civil Rights Act of 1964 (78 Stat. 252), §504 of the Rehabilitation Act of 1973 (87 Stat. 3555) and the Americans with Disabilities Act of 1990 (42 USC 12101), the Age Discrimination Act of 1975 (42 USC 6101), the Regulations of the U.S. Department of Transportation (49 C.F.R., Part 21, 23, and 27), issued pursuant to such ACT, Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations (1994), and the DBE Program (49 C.F.R., Part 26.1), hereby notifies all contracting parties that, the contracting parties will affirmatively insure that this contract will be implemented without discrimination on the grounds of race, religion, color, gender, age, disability, national origin, or minority populations and low income populations as more specifically set out in the following seven "Nondiscrimination Clauses".

## CLARIFICATION

Where the term "consultant" appears in the following seven "Nondiscrimination Clauses", the term "consultant" is understood to include all parties to contracts or agreements with the Secretary of Transportation of the State of Kansas.

## Nondiscrimination Clauses

During the performance of this contract, the consultant, or the consultant's assignees and successors in interest (hereinafter referred to as the "Consultant"), agrees as follows:

(1) Compliance with Regulations: The consultant will comply with the Regulations of the U.S. Department of Transportation relative to nondiscrimination in federally-assisted programs of the U.S. Department of Transportation (Title 49, Code of Federal Regulations, Parts 21, 23 and 27,

- hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- (2) Nondiscrimination: The consultant, with regard to the work performed by the consultant after award and prior to the completion of the contract work, will not discriminate on the grounds of race, religion, color, gender, age, disability, national origin or minority populations and low income populations in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The consultant will not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
- (3) Solicitations for Subcontractors, Including Procurements of Material and Equipment: In all solicitations, either competitive bidding or negotiation made by the consultant for work to be performed under a subcontract including procurements of materials and equipment, each potential subcontractor or supplier shall be notified by the consultant of the consultant's obligation under this contract and the Regulations relative to nondiscrimination on the grounds of race, religion, color, gender, age, disability, national origin or minority populations and low income populations.
- (4) Information and Reports: The consultant will provide all information and reports required by the Regulations, or orders and instructions issued pursuant thereto, and the Secretary of the Transportation of the State of Kansas will be permitted access to the consultant's books, records, accounts, other sources of information, and facilities as may be determined by the Secretary of Transportation of the State of Kansas to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a consultant is in the exclusive possession of another who fails or refuses to furnish this information, the consultant shall so certify to the Secretary of Transportation of the State of Kansas and shall set forth what efforts it has made to obtain the information.
- (5) Employment: The consultant will not discriminate against any employee or applicant for employment because of race, religion, color, gender, age, disability, or national origin.
- (6) Sanctions for Noncompliance: In the event of the consultant's noncompliance with the nondiscrimination provisions of this contract, the Secretary of Transportation of the State of Kansas shall impose such contract sanctions as the Secretary of Transportation of the State of Kansas may determine to be appropriate, including, but not limited to,
  - (a) withholding of payments to the consultant under the contract until the contractor complies, and/or
  - (b) cancellation, termination or suspension of the contract, in whole or in part.
- (7) Disadvantaged Business Obligation

- (a) Disadvantaged Businesses as defined in the Regulations, shall have a level playing field to compete fairly for contracts financed in whole or in part with Federal funds under this contract.
- (b) All necessary and reasonable steps shall be taken in accordance with the Regulations to ensure that Disadvantaged Businesses have equal opportunity to compete for and perform contracts. No person(s) shall be discriminated against on the basis of race, color, gender, or national origin in the award and performance of federally-assisted contracts.
- (c) The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of Federally-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate.

## (8) Executive Order 12898

- (a) To the extent permitted by existing law, and whenever practical and appropriate, all necessary and reasonable steps shall be taken in accordance with Executive Order 12898 to collect, maintain, and analyze information on the race, color, national origin and income level of persons affected by programs, policies and activities of the Secretary of Transportation of the state of Kansas and use such information in complying with this Order.
- (9) Incorporation of Provisions: The consultant will include the provisions of paragraphs (1) through (8) in every subcontract, including procurements of materials and equipment, unless exempt by the Regulations, order, or instructions issued pursuant thereto. The consultant will take such action with respect to any subcontract or procurement as the Secretary of Transportation of the State of Kansas may direct as a means of enforcing such provisions including sanctions for noncompliance: PROVIDED, however, that, in the event a consultant becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the consultant may request the State to enter into such litigation to protect the interests of the State.

## **CERTIFICATION FOR FEDERAL-AID CONTRACTS**

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

## C.D.L. ELECTRIC COMPANY

Commercial and Industrial Wiring Traffic Railroad Signal Installations & Maintenance 202 S MINNESOTA AVE

COLUMBUS, KS 66725 (620) 429-8697 OR (800) 392-4942 FAX (620) 8696

PROPOSAL SUBMITTED TO K & O Railroad		PHONE (620) 231-2230	DATE 2/16/06	
STREET 315 W 3 <sup>rd</sup> St	, , , , , , , , , , , , , , , , , , , ,	JOB NAME RRP-079		
CITY, STATE and ZIP CODE Pittsburg, KS 66762		JOB LOCATION 9 <sup>th</sup> Street Wichita, Kansas		
ARCHITECT	DATE OF PLANS	JOB PHONE		•

We hereby submit specifications and estimates for:

A new control shelter with motion sensing type circuitry and flashing light / gate signals are proposed. Signals will include 12" LED light units, signs and bells, one signal is to have an additional side light assembly. Conduits should be estimated and installed by method of boring. A new AC meter service will also be required. Guardrail has not been requested and is not included in the proposal. After the installation of signal equipment, dress stone and grass seed will be placed to properly complete the installation.

Any overhead or underground utilities that may interfere with the installation or operation of the proposed signal system must be relocated at the expense of others. CDL Electric Incorporated will not be responsible for cost, labor or material required to relocate utilities at this location.

The price breakdown is as follows:

Materials: \$79,823.00, Equipment: \$17,910.00, and Labor: \$39,950.00. Total cost is \$137,683.00

We propose hereby to furnish material and labor — complete in accordance with above specifications, for the sum of:

yment to be made as follows:	
All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or d eviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tomad o and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.  Acceptance of Proposal — the above prices, specifications and conditions are satisfactory and are hereby	Authorized Signature:  Note:  This proposal may be withdrawn by us if not accepted withindays.
accepted. You are authorized to do the work as specified. Payment will be made as outlined above.	Signature:
	Signature:

## HIGHWAY/RAILROAD GRADE CROSSING SIGNAL SYSTEM

PROJECT: RRP-079
ROAD NAME: 9TH STREET
LOCATION: WICHITA
STATE: KS
RAILROAD KS & OK RR
AAR/DOT: 445 193 G

AAR/DOT:	445 193 G		
ITEM NO.	ITEM DESCRIPTION	MANUF.	MANUE. PIN
01	CONTROL SHELTER, ALUM, W/ FNDS, FAN, AC ITEMS & ACCESSORIES	FMC	TBO
02	MOTION SENSOR / DETECTOR	GETS	250828-201
03	SOLID-STATE XING CONTROLLER, SSCCIIIA, 40 AMP	SAFE	91160-1101
D4	SURGE PANEL ASSMBLY, FOR ST SSCCIMA	SAFE	91170-1
05	CHARGER, BATTERY NRS 12/20, 20 AMP	NRS	15110-1D
06	CHARGER, BATTERY NRS 12/40, 40 AMP	NRS	18120-10
07	BATTERY, ELM-240, 250 A.H., EXIDE	NRS	403784-CW
08	BATTERY, ELM-340, 363 A.H., EXIDE	NRS	403765-CW
09	SHUNT, NARROW BAND	GETS	250250-*
10	ARRESTERS	SAFE	
11	EQUALIZER	SAFE	
12	RESISTOR, ADJUSTABLE, 15 WATT - VARIOUS SIZE	SAFE	RESISTOR
13	TRAY, BATTERY, PLASTIC TYPE	NRS	TRAY
14	REMOTE DIAGNOSTIC SET-UP/DATA RETRIEVAL TOOL COMPLETE	VARIOUS	1180
15	MDSA-1, MOTION DETECTOR SURGE ARRESTER	GETS	250204-001C
16	SHOP WIRING HDW., WIRE, TERM, EYES, TAGS, ETC.	TRKSHK	MISC
17			
18	ACTIVACES OFFICE A TESTALO CESTACES	TOWOLIK	14800.00
19	SERVICES, SHOP WIRING & TESTING SERVICES	TRKSHK	WIRING
20	TOTAL MARCE CONTROL BUSINESS COST		
21	TOTAL WIRED CONTROL SHELTER COST		
22	A STATE A CONTROL OF CONTROL OF A STATE OF CONTROL OF A CONTROL OF	14.0011	
23	GATE ASSEMBLY, JCT. BOX, MAST, MECH., SIGN, CWTS. & 12" 2W LEDS	WCH	M-10-CDL-24-1L
24	CAST ADAPTER ASSEMBLY	NEG	385102ADP
25	BELL, ELECTRONIC 12V TYPE FOR 4"/6" MTG.	GSI GSI	EB-3-360-5
26	GATE ARM, HI STRIPING, REDWHITE ALTERNATING, (ADJ) LIGHT KIT FOR GATE ARM 4" INCANDESCENT (10V-25W)	GSI	SG-*AÐJ* L-4-1013C-K
27 28	FOUNDATION, GALVANIZED STEEL 48" DEEP W/36" SQ. PLATE	FMC	FGATE48
29	GATE-GARD, SWING-A-WAY GATE ARM DEVICE	WCH	D-1049-1
30	LIGHT UNIT. 12" LED 1-WAY	WCH	1-WAY
31	EXTENSION BRACKET FOR SIDE LIGHT ASSY	WCH	D-1049-1
		110//	D-1040-7
33	TOTAL SIGNAL MATERIAL		
34			
35	BOND STRAND, SB (3/16") TINNED SIGNAL STRAND W/ 4/64" BLACK INS.	ERICO	SBS8TINSUL
38	CLAMP, PVC CABLE KEEPER FOR 7/18" DIAMETER CABLE W/2HOLES	ERICO	T375
37 36	GROUND CLAMP, FOR SIGNAL MAST (3" TO 12" DIA.) WITH 96" LEAD	ERICO	58B652A12C1G96
39	GROUND ROD, COPPER, 3/4" DIAMETER, 8' LENGTH - POINTED TRACK CONNECTOR "BOOTLEG", WELD-WEB, 3/16" DIA., W/ 1" TAB, 4"	ERICO ERICO	613480 SBTBBUAA
40	ONE-SHOT CABLE TO GROUND ROD CONNECTOR, 3/4" ROD TO #8 (3 CON)	ERICO	NT1181G
41	RETAINER CLIP, CABLE (3/8" MAX, DIA.) TO RAIL - PERPINDICULAR	ERICO	SBA2486
42	SLEEVE COMPRESSION TYPE, 3/16" BOND STRAN TO #6 SOLID	ERICO	SBA2363J
43	BOND, WELD TYPE RAIL BOND	ERICO	SBS24883
44	WIRE, #10 AWG D.E.L. FOR WIRING SIGNALS	OKO	OKO
45	CABLE, U.G. SIGNAL 7 COND, NO. 9 AWG SOLID	OKO	OKO
46	CABLE, U.G. SIGNAL 5 COND. NO. 8 AWG SOLID	OKO	OKO
47	CABLE, U.G. AC 3 COND. NO. 6 AWG SOLID (MIN.)	OKO	OKO
48	TRACK WIRE NO. 6 TW. PR. DUPLEX	ОКО	OKO
49	OTHER	- ··· <del>··</del>	
50	LOCK, HEX-HEAD	VAR	BUR
52	MISC. MATERIAL FOR FIELD INSTALLATION	VAR	MISC

Gary Farlow KDOT Rail Div.

Subject; Cost Estimate

Project # 87 X 2558-01 DOT # 445193G 9<sup>th</sup> Street Wichita

54ft Concrete crossing material @\$160.00 ft	\$8,640.00 - *
3 tons 115# rail @\$750.00ton	\$2,250.00 -*
60ea 10ft crossties @ 55.00ea	\$3.300.00 - *
OTM	\$4,000.00
Welds 10ea @\$650 ea	\$6,500.00
Flagging traffic control	\$4,000.00
Labor	\$11,726.75

Total \$40,416.75

Summary KDOT'S cost.

Signal \$ 137,683

Crossina Matt., Ties, Rail \$ 14,190

\$ 151,873

# PROPOSAL

## C.D.L. ELECTRIC COMPANY

Commercial and Industrial Wiring Traffic Railroad Signal Installations & Maintenance 202 S MINNESOTA AVE COLUMBUS KS 66725

COLUMBUS, KS 66725 (620) 429-8697 OR (800) 392-4942 FAX (620) 8696

PROPOSAL SUBMITTED TO K & O Railroad		PHONE (620) 231-2230	DATE 2/16/06
STREET 315 W 3 <sup>rd</sup> St		JOB NAME RRP-079	
CITY, STATE and ZIP CODE Pittsburg, KS 66762	<b>_</b>	JOB LOCATION 9 <sup>th</sup> Street Wichita, Kansas	
ARCHITECT	DATE OF PLANS	JOB PHONE	

We hereby submit specifications and estimates for:

A new control shelter with motion sensing type circuitry and flashing light / gate signals are proposed. Signals will include 12" LED light units, signs and bells, one signal is to have an additional side light assembly. Conduits should be estimated and installed by method of boring. A new AC meter service will also be required. Guardrail has not been requested and is not included in the proposal. After the installation of signal equipment, dress stone and grass seed will be placed to properly complete the installation.

Any overhead or underground utilities that may interfere with the installation or operation of the proposed signal system must be relocated at the expense of others. CDL Electric Incorporated will not be responsible for cost, labor or material required to relocate utilities at this location.

The price breakdown is as follows:

Materials: \$79,823.00, Equipment: \$17,910.00, and Labor: \$39,950.00. Total cost is \$137,683.00

We propose hereby to furnish material and labor — complete in accordance with above specifications, for the sum of:

Payment to be made as follows:	
All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or d eviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tomad o and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.	Authorized Signature:  Note:  This proposal may be withdrawn by us if not accepted withindays.
Acceptance of Proposal — the above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.	Signature:
	Signature:

## HIGHWAY/RAILROAD GRADE CROSSING SIGNAL SYSTEM

PROJECT: RRP-079
ROAD NAME: 9TH STREET
LOCATION: WICHITA
STATE: KS
RAILROAD KS & OK RR
AAR/DOT: 445 193 G

AAR/DOT:	445 193 G		
ITEM NO.	ITEM DESCRIPTION	MANUF.	MANUF. PIN
01	CONTROL SHELTER, ALUM., WI FNOS, FAN, AC ITEMS & ACCESSORIES	FMC	TBD
02	MOTION SENSOR / DETECTOR	GETS	250828-201
D3	SOLID-STATE XING CONTROLLER, SSCCIIIA, 40 AMP	SAFE	91160-1101
D4	SURGE PANEL ASSMBLY, FOR ST SSCCIBA	SAFE	91170-1
05	CHARGER, SATTERY NRS 12/20, 20 AMP	NRS	15110-10
06	CHARGER, BATTERY NRS 12/40, 40 AMP	NRS	18120-10
07	BATTERY, ELM-240, 250 A.H., EXIDE	NRS	4037B4-CW
90	BATTERY, ELM-340, 363 A.H., EXIDE	NRS	403765-CW
09	SHUNT, NARROW BAND	GETS	250250-*
10	ARRESTERS	SAFE	
11	EQUALIZER	SAFE	
12	RESISTOR, ADJUSTABLE, 15 WATT - VARIOUS SIZE	SAFE	RESISTOR
13	TRAY, BATTERY, PLASTIC TYPE	NRS	TRAY
14	REMOTE DIAGNOSTIC SET-UP/DATA RETRIEVAL TOOL COMPLETE	VARIOUS	TED
15	MD5A-1, MOTION DETECTOR SURGE ARRESTER	GETS	250204-001C MISC
16	SHOP WIRING HOW., WIRE, TERM. EYES, TAGS, ETC.	TRKSHK	MISL
17			
16	ACOUSTO CHOO MANIMO & TECTIMO CONSCES	TRKSHK	WIRING
19 20	SERVICES, SHOP WIRING & TESTING SERVICES	INNOIN	WINING
21	TOTAL WIRED CONTROL SHELTER COST		
21	TOTAL MIKED COM HOL SHELTER COST		
	GATE ASSEMBLY, JCT. BOX, MAST, MECH., SIGN, CWTS. & 12" 2W LEDS	WCH	M-10-CDL-24-1L
23 24	CAST ADAPTER ASSEMBLY	NEG	385102ADP
29 25	BELL, ELECTRONIC 12V TYPE FOR 4"/5" MTG.	GSI	EB-3-360-5
25 26	GATE ARM, HI STRIPING, REDAWHITE ALTERNATING, (ADJ)	GSI	SG-*AOJ*
27	LIGHT KIT FOR GATE ARM 4" INCANDESCENT (10V-25W)	GSI	L-4-1013C-K
28	FOUNDATION, GALVANIZED STEEL 48" DEEP W/ 36" SQ. PLATE	FMC	FGATE48
29	GATE-GARD, SWING-A-WAY GATE ARM DEVICE	WCH	D-1049-1
30	LIGHT UNIT, 12" LED 1-WAY	WCH	1-WAY
31	EXTENSION BRACKET FOR SIDE LIGHT ASSY	WCH	D-1048-1
33	TOTAL SIGNAL MATERIAL		
34 35	BOND STRAND, S8 (3/16") TINNED SIGNAL STRAND W/ 4/64" BLACK INS.	ERICO	SBSBTINSUL
35 38	CLAMP, PVC CABLE KEEPER FOR 7/16" DIAMETER CABLE W/2HOLES	ERICO	T375
36 37	GROUND CLAMP, FOR SIGNAL MAST (3" TO 12" DIA.) WITH 96" LEAD	ERICO	588852A12C1G98
38	GROUND ROD. COPPER, 3/4" DIAMETER, 8' LENGTH - POINTED	ERICO	613480
39	TRACK CONNECTOR "BOOTLEG", WELD-WEB, 3/16" DIA., W/ 1" TAB, 4"	ERICO	SBTBBU4A
40	ONE-SHOT CABLE TO GROUND ROD CONNECTOR, 3/4" ROD TO #8 (3 CON)	ERICO	NT1181G
41	RETAINER CLIP, CABLE (3/8" MAX. DIA.) TO RAIL - PERPINDICULAR	ERICO	SBA248B
42	SLEEVE COMPRESSION TYPE, 3/16" BOND STRAN TO #6 SOLID	ERICO	SBA2363J
43	BOND, WELD TYPE RAIL BOND	ERICO	SBS24883
44	WIRE, #10 AWG D.E.L. FOR WIRING SIGNALS	OKO	OKO
45	CABLE, U.G. SIGNAL 7 COND. NO. 9 AWG SOLID	OKO	OKO
45	CABLE, U.G. SIGNAL 5 COND. NO. 8 AWG SOLID	OKO	OKO
47	CABLE, U.G. AC 3 COND. NO. 6 AWG SOLID (MIN.)	OKO	OKO
48	TRACK WIRE NO. 6 TW. PR. DUPLEX	OKO	OKO
49	OTHER		
50	LOCK, HEX-HEAD	VAR	BUR
52	MISC. MATERIAL FOR FIELD INSTALLATION	VAR	MISC

Gary Farlow KDOT Rail Div.

Subject; Cost Estimate

Project # 87 X 2558-01 DOT # 445193G 9<sup>th</sup> Street Wichita

54ft Concrete crossing material @\$160.00 ft	\$8,640.00	~ ¥
3 tons 115# rail @\$750.00ton	\$2,250.00	- *
60ea 10ft crossties @ 55.00ea	\$3.300.00	- ₩
OTM	\$4,000.00	
Welds 10ea @\$650 ea	\$6,500.00	
Flagging traffic control	\$4,000.00	
Labor	\$11,726.75	

Total \$40,416.75

Summary KDOT'S cost.

Signal \$ 137,682

Crossina Matt., Ties, Rail \$ 14,190

\$151,873